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10/565,666	01/23/2006	Mark Thomas Johnson	NL 030874	2475
24737	7590	09/30/2008		
PHILIPS INTELLECTUAL PROPERTY & STANDARDS			EXAMINER	
P.O. BOX 3001			SHOLEMAN, ABUS	
BRIARCLIFF MANOR, NY 10510			ART UNIT	PAPER NUMBER
			4148	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/565,666	Applicant(s) JOHNSON ET AL.
	Examiner ABU SHOLEMAN	Art Unit 4148

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 01/23/2006.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-16 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-16 is/are rejected.

7) Claim(s) 10 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application
 6) Other: _____

DETAILED ACTION

1. This instant application having Application No. 10565666 filed on 01/23/2006 is presented for examination by the examiner.

Oath/Declaration

2. The applicants' oath/declaration has been reviewed by the examiner and is found to conform to the requirements prescribed in **37 C.F.R.1.63**.

Priority

3. As required by **M.P.E.P.201.14(c)**, acknowledgement is made of applicant's claim for priority based on applications filed on July 12, 2003 (EPO 03102239.5).

Drawings

4. The drawings were received on 01/23/2006. These drawings are acceptable for examination purposes.

Specification

5. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

6. As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.

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- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

7. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. I might think it would be the best title according to the claim such as "Image alignment on decryption device display".

Claim Objections

8. Claim 10 objected to because of the following informalities: The claim is depended on itself. Appropriate correction is required.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1, 2, 7-13 are rejected under 35.U.S.C 102(b) as being anticipated by Pim et al (Visual Crypto Displays)(hereinafter Pim).

As per claim 1, Pim discloses " A decryption device (see page 1, Abstract : A decryption display is a decryption device) for decrypting an encrypted image displayed on a screen of a display device " as (Page 272, line 8-10, A decryption display is attached to a hand-held device that is a display device for decryption), "the decryption device comprising a screen on which a decrypted image can be made visible when the decryption device is superimposed on the screen of the display device" as (page 274, line 11-15, The decryption device has a display which is another word for a screen, The original image is reconstructed when two shares are superimposed. this is a visual decryption), " wherein the decryption device further comprises sensor means capable of sensing the position of the decryption device relative to the encrypted image and alignment means for providing alignment signals in response to position signals produced by the sensor means" as (page 272, line 44-46, The trusted display can be correctly aligned on the untrusted display by providing a solid frame into which it has to be entered or by equipping it with extra sensors which automatically read position information from the untrusted terminal).

As per claim 2, Pim discloses "The decryption device according to claim 1" as (see rejection above claim 1), "further capable of displaying

multiple images" as (page 274, line 17-19, a secure system for multiple messages requires the use of a large number of transparencies).

As per claim 7, Pim discloses "**Wherein its screen is at least partially transparent, the decryption device being arranged for displaying a key image on its screen**" as (page 273, line 9-11, The decryption device will display a image from The encrypted image from the image source).

As per claim 8, Pim discloses "**further comparing a sensor matrix for sensing the encrypted image displayed by the display device**" (page 273 , line 1-2, A personal decryption display consisting of display equipped with an additional array of light sensitive sensors), and "**permuting means for permuting the encrypted image so as to produce a decrypted image which is displayed on its screen**"(page 273, line decryption display will then generate the complementary randomised message to display on the screen of the decryption device).

As per claim 9, Pim discloses "**Wherein the sensor means comprise optical and /or electromagenetic sensors**" as (page 273, line 2-3, sensor is consisting of array of light sensitive).

As per claim 10, Pim discloses "**Wherein the sensor means comprise photodiodes and /or charge coupled devices (CCDs)**" as (page 273, line 27-28, the sensor is light sensitive sensors that can be easily and cheaply embedded in the pixels of an LCD display).

As per claim 11, Pim discloses "**wherein the sensor means comprise mechanical sensors**" as (page 273, line 27-28, light sensitive sensor is embedded in the LCD display).

As per claim 12, Pim discloses "**A system for decrypting and displaying encrypted images**" as (see page 273, FIG 1, Communication system to display encrypted image in decryption device), "**a display device having a screen for displaying an encrypted image**" as (see page 1, Abstract : A decryption display is a display device), and "**decryption device for decrypting and encrypted image display on the screen of a display device**" as (Page 272, line 8-10, A decryption device is attached to a hand-held device that is a display device for decryption), "**the decryption device comprising a screen on which a decrypted image can be made visible when the decrypted device is superimposed on the screen of the display device**" as (page 274, line 11-15, The decryption device has a display which is another word for a screen, The original image is reconstructed when two shares are superimposed. this is a visual decryption),"**wherein the decryption device further comprises sensor means capable of sensing the position of the decryption device relative to the display device and alignment means for providing alignment signals in response to position signals produced by sensor means**" as (page 272, line 44-46, The trusted device can be correctly aligned on the untrusted device by providing a solid frame into which it has to be entered or by equipping it with extra sensors which automatically read position information from the untrusted terminal).

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As per claim 13, Pim discloses "wherein the decryption device is capable of display multiple images" as (page 274, line 17-19, a secure system for multiple messages requires the use of a large number of transparencies).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 3,4,5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pim et al (visual crypto displays) (hereinafter Pim) in view of Karabinis et al (WO 9734381)(hereinafter Karabinis).

13.. **As pre claim 3, Pim discloses " The decryption device according to claim 1" as (see rejection above claim 1), but fails to disclose " Wherein the alignment means are arranged for providing visible and /or audible alignment signals so as to assist manual alignment of the decryption device and the display device" .**

However, Karabinis discloses "Wherein the alignment means are arranged for providing visible and /or audible alignment signals so as to assist manual alignment of the decryption device and the display device"

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as (page 3, line 28-31,The audible alignment signal prompts the radiotelephone user to reorient the radiotelephone antenna for improved alignment relative to the source of the radiotelephone communications).

Pim and Karabinis are analogous arts because they are the same field of endeavor of system of signal or image alignment .

Therefore, It would have been obvious to one of the ordinary skill in the art at the time of the invention was made to modify the teaching of Pim by including the audible alignment signal that taught by Karabinis it would improve the reception of image or signal in the radiotelephone reception (page 2, line 15-20).

As per claim 4, Pim discloses " The decryption device according to claim 1" as (see rejection above claim 1), but fails to disclose " Wherein the alignment means are arranged for automatic alignment".

However, Karabinis discloses "**Wherein the alignment means are arranged for automatic alignment**" as (page 3, line 29-30, the reorient the radiotelephone antenna for alignment)

Pim and Karabinis are analogous arts because they are the same field of endeavor of system of signal or image alignment .

Therefore, It would have been obvious to one of the ordinary skill in the art at the time of the invention was made to modify the teaching of Pim by including the image alignment that taught by Karabinis it would improve the reception of image or signal in the radiotelephone reception (page 2, line 15-20).

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As per claim 5, Pim disclose "further arranged for adjusting the position and /or the orientation and /or the size and /or the skew of an image displayed on its screen" as (page 5, line 33-36, Antenna orientation changes the position of the image displayed).

14. Claims 6, 14, 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pim et al (European Patent # 0260815)(hereinafter Pim) in view of O'Brien et al(European patent# 0260815)(hereinafter O'Brien).

As per claim 6, Pim discloses" The decryption device according to claim 1" as (see rejection above claim 1), but fails to disclose "wherein only part of the screen contains an image, said part preferably being located towards the center of the respective screen**".**

However, O'Brien discloses "**wherein only part of the screen contains an image, said part preferably being located towards the center of the respective screen**" as (See Abstract , line 5-13 , Fig1, a random pattern of macro-pixels 6 of definite uniform shape is display on the screen in 9 in the fig 1).

Pim and O'Brien are analogous arts because they are the same field of endeavor of the alignment of image for visual cryptography.

Therefore, It would have been obvious to one of the ordinary skill in the art at the time of the invention was made to modify the teaching of Pim by including the random pattern of pixels are definite shape that display on the center of

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screen that taught by O'Brien because it would improve the reception of image to be displayed in the center of screen with proper alignment in the decryption device (page 6, line 45-49).

As per claim 14, Pim discloses "**the system according to claim 12**" as (see rejection above claim 12) , but fails to disclose "**wherein the display device is provided with alignment images**"

However, O'Brien discloses "**wherein the display device is provided with alignment images**" as (page 3, line 9-10, In Fig1, the registration marks 7 are alignment images).

Pim and O'Brien are analogous arts because they are the same field of endeavor of system of the alignment of image for visual cryptography.

Therefore, It would have been obvious to one of the ordinary skill in the art at the time of the invention was made to modify the teaching of Pim by including the registration mark for alignment of image that taught by O'Brien because it would provide uniform shape of the image in the display device (see abstract, Fig 1).

As per claim 15, Pim discloses "**Wherein the alignment images are arranged around the screen of the display device**" as (page 6, line 45-49. Two masks are in alignment then a image could be displayed)

As per claim 16, Pim discloses "**wherein the alignment images are part of the encrypted image**" as (page 6, line 46-49, Masks are alignment of images those are from encrypted image).

Conclusion

15. The following prior art made of record and not relied upon is cited to establish the level of skill in the applicant's art and those arts considered reasonably pertinent to applicant's disclosure. See MPEP 707.05(c).
 16. The following reference teaches execution of trial data.

US 3914877

US 2952080

US 3234663

US 3279095

US 5541993

US 5715316

US 6931551

US 6570708

17. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Abu Sholeman whose telephone number is (571)270-7314. the examiner can normally be reached on Monday to Friday 8:30 AM to 5.00PM.

If attempts to reach the above noted Examiner by telephone are unsuccessful, the Examiner's supervisor, Thomas Pham, can be reached at the following telephone number (571)2272-3689.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an

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application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from the either Private PAIR or public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pari-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center(EBC) at 866-217-9197(toll-free).

September 18, 2008

Abu Sholeman
Examiner
Art Unit 4148

/THOMAS K PHAM/

Supervisory Patent Examiner, Art Unit 4148